

SWITCHABLE ANTENNA MATCHING SYSTEM FOR A FLIP STYLE MOBILE PHONE

Abstract

An antenna matching system is used in a flip style mobile unit.

The flip style mobile unit can be operated in an open status or in a closed status. The antenna matching system includes an antenna for receiving/transmitting an RF signal, a first matching circuit for operating the antenna in a first matching mode, a second matching circuit for operating the antenna in the second matching mode, and a switch for switching the antenna between the first matching mode and the second matching mode according to whether the flip style mobile unit is in the open status or in the closed status.